**Mr.Grady’s 3rd grade budget 2012-13**

*(All prices in US dollars)*

August:

Materials (New term poster paper, marker pens etc): $943

Books: Class set of novels (90 books): $720

Field trips: (To the zoo) $592

Sept:

Materials: $0

Books: 12 world biomes books: $120

Field trips: Expert visitor (biologist): $125

Oct:

Materials: (Halloween materials) $148

Books: $0

Fieldtrips (theatre) $450

Nov:

Materials: $0

Books: (Tutorial books, 4): $48

Fieldtrips: $0

Dec:

Materials: $175

Books: $0

Fieldtrips: (Christmas storytellers): $550

Jan:

Materials (start of term displays): $319

Books: (Maths puzzle books x4): $82

Fieldtrips: (farm visit) $320

Feb:

Materials: $22

Books: $0

Fieldtrips: (dance workshop) $150

Mar:

Materials: (Easter cards): $272

Books: $0

Fieldtrips: $0

Apr:

Materials: New term necessities: $592

Books: (new classroom library books): $448

Fieldtrips: Mountain hike: $950

May:

Materials: $100

Books: $0

Fieldtrips: (Friendship day sports): $415

Jun:

Materials: $0

Books: (Student prizes): $45

Fieldtrips: (city museum): $270

**Student Spreadsheet Challenge!**

Mr.Grady is a great teacher but he’s not very confident using spreadsheets. He is in charge of keeping the record of spending for the third grade. He writes down his spending on paper but a spreadsheet would be better. *Can you help him put this information into a spreadsheet so everything becomes easier?*

**TASKS:**

1. **Create a spreadsheet** that includes the months of the year and the three categories of spending. Then input the data in the right cells.

Write here **any short-cuts** you used to make this quicker: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. **Add detail:**

a) **Add a column/row** for **total spent per month**.

Input the correct **FORMULA** to calculate each month’s total.

b) **Add a column/row** for **total spent** in the year **for each category of spending (materials, books, fieldtrips)**. Input the correct **FORMULA** for each category.

c) Is there a short-cut you can use to make inputting formulas quicker? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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d) **BONUS:** In the cell you think best, can you add a formula that shows the total spending in all areas for the whole year? (a GRAND TOTAL). Each grade has a total annual budget of $7,500. Did Mr.Grady stay within the budget? How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. **Interpret:**

a) In which month did 3rd grade spend the most money? How much did they spend? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) In which month did 3rd spend the least? How much did they spend? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) In which area did they spend the most money over the course of the whole year? How much did they spend? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) How much did they spend on fieldtrips over the whole year? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. a) Mr.Grady suddenly realizes he hasn’t included the costs of a fieldtrip to the science museum in May ($902) and a set of science books ($655), also in May. If you add these details, what is your new total spending for May? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) What advantages can you think of for using a spreadsheet instead of writing down your spending on paper? List as many as you can! \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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5. The Head of Primary wants to see the spending information for each grade in Primary using graphs. Can you help Mr.Grady create a graph for spending per month?

**BONUS:** Create a second graph that shows spending ***per category*** per month.

Write a short description of your graph(s) – what do they show about 3rd grade’s spending?